

# XIII Polish Workshop on Relativistic Heavy-Ion Collisions

## Saturday 06 January 2018

### Workshop opening - 60, ground floor - Room Jan Rzewuski (09:00-09:15)

-Conveners: Turko, Ludwik (University of Wroclaw (PL))

### Session 1 - 60, ground floor - Room Jan Rzewuski (09:15-11:00)

time	title	presenter
09:15	The next round of RHI collision discoveries awaits you	RAFELSKI, Johann (University of Arizona (US))
10:00	Upgrade of the NA61/SHINE facility beyond 2020 for an expanded physics programme	LARSEN, Dag (Jagiellonian University (PL))
10:30	Charm physics in NA61/SHINE	BRYLINSKI, Wojciech (Warsaw University of Technology (PL))

### Coffee break - 60, ground floor - Room Jan Rzewuski (11:00-11:30)

### Session 2 - 60, ground floor - Room Jan Rzewuski (11:30-13:00)

time	title	presenter
11:30	Beam Energy Scal program with EPOS model	STEFANIAK, Maria (Warsaw University of Technology)
12:00	Constraining mechanisms of jet-medium interaction via simultaneous studies of energy loss and angular broadening effects	ROHRMOSER, Martin (SUBATECH/Ecole des Mines de Nantes)
12:30	Adaptation of the THERMINATOR model for BES program	ZBROSZCZYK, Hanna (Warsaw Univesroty Of Technology)

### Lunch (13:00-14:00)

### Session 3: Session 3 - 60, ground floor - Room Jan Rzewuski (14:00-15:30)

time	title	presenter
14:00	Heavy Quarks in Turbulent QCD Plasmas	MROWCZYNSKI, Stanislaw (Jan Kochanowski University)
14:30	Transverse momentum correlations and fluctuations	BOZEK, Piotr (AGH University of Science and Technology)
15:00	Heavy flavor directed flow as a probe of matter distribution in heavy-ion collisions	CHATTERJEE, Sandeep (AGH University of Science and Technology, Krakow)

### Coffee break - 60, ground floor - Room Jan Rzewuski (15:30-16:00)

**Session 4 - 60, ground floor - Room Jan Rzewuski (16:00-18:00)**

time	title	presenter
16:00	Partial correlation analysis in ultra-relativistic nuclear collisions	OLSZEWSKI, Adam (UJK Kielce)
16:30	From electromagnetic effects to fire-streaks in heavy ion collisions	KIELBOWICZ, Mirosław Marek (Polish Academy of Sciences (PL))
17:00	Angular correlations of identified hadrons in the STAR BES data	LIPIEC, Andrzej (Warsaw University of Technology)
17:30	Net-baryon number fluctuations in the quark-meson-nucleon model at finite baryon density	MARCZENKO, Michał (University of Wrocław)

**Dinner - Chopper Bar, ul. Kotlarska 42, <http://chopperbar.pl/> (18:30-22:00)**

## Sunday 07 January 2018

### Session 5 - 60, ground floor - Room Jan Rzewuski (09:00-10:30)

time	title	presenter
09:00	Measurements of Upsilon production in p+p collisions at $\sqrt{s}=500$ GeV with the STAR experiment	KOSARZEWSKI, Leszek (Warsaw University of Technology)
09:30	On strangeness from NA61/SHINE	LEWICKI, Maciej Piotr (University of Wroclaw (PL))
10:00	Centrality dependence of freeze-out temperature fluctuations in Pb-Pb collisions at the LHC	PROROK, Dariusz (Institute of Theoretical Physics University of Wroclaw)

### Coffee break - 60, ground floor - Room Jan Rzewuski (10:30-11:00)

### Session 6 - 60, ground floor - Room Jan Rzewuski (11:00-13:00)

time	title	presenter
11:00	What can we learn from femtoscopic and angular correlations of identified particles in ALICE?	GRACZYKOWSKI, Lukasz Kamil (Warsaw University of Technology (PL))
11:30	Non-identical particle femtoscopy in STAR	SZYMAŃSKI, Paweł (Warsaw University of Technology)
12:00	Kaon femtoscopy using THERMINATOR model	PAWŁOWSKA, Diana
12:30	Femtoscopic at MPD	WIELANEK, Daniel (Warsaw University of Technology)

### Coffee break - 60, ground floor - Room Jan Rzewuski (13:00-13:30)

### Session 7 - 60, ground floor - Room Jan Rzewuski (13:30-14:30)

time	title	presenter
13:30	Polyakov loop fluctuations in the presence of external fields	SZYMANSKI, Michal (University of Wroclaw)
14:00	Dissociation of hadrons in hot dense matter	BLASCHKE, David (University of Wroclaw)

### Summary and conclusions - 60, ground floor - Room Jan Rzewuski (14:30-15:00)